

SRI VENKATESWARA COLLEGE OF ENGINEERING

STUDENTS' RESEARCH DAY

SVCE INNOVATES 2017

Circular

The best innovations of 2017, by the students of SVCE, would be identified by conducting a contest. This is being organized as a college wide event for the fourth time with the following objectives:

To nurture an interest for research and to provide an opportunity to the students to exhibit their creative skills

To inculcate the spirit of healthy competition and to encourage inter-disciplinary innovations

This event is open for undergraduate and postgraduate engineering students of all the departments of SVCE.

Competition details

Abstract should be submitted in a maximum of 500 words and the format for the abstract can be downloaded from the website.

Important Dates

Submission of an abstract of the innovative ideas	: 10.3.2017
The results of the short listed abstracts	: 17.3.2017
Final event will be held on SVCE students Research Day	: 24 March 2017

Team can consist of 2-3 students. Interdisciplinary teams are encouraged. Each team must have a faculty mentor.

Certificates would also be given to the faculty mentors of the winning teams.

Panels of judges from the industry and academia will evaluate all the short listed demos.

All the finalist will have to demonstrate the ideas using poster/Models/software prototypes.

Dr R Muthucumaraswamy, Dean (Research)

SRI VENKATESWARA COLLEGE OF ENGINEERING

EVENT: SVCE INNOVATES 2017

Students are requested to submit their abstract to the respective department coordinators through e-mail and also submit hard copy of the abstract and registration form

S.No	Department	Coordinator	e-mail Id
1.	AE	Mr K Paul Durai	pauldurai@svce.ac.in
2.	BT	Dr Nalinkanth V Ghone	nalinkanth@svce.ac.in
3.	CE	Dr V Tamizh Selvi	tamizhselvi@svce.ac.in
4.	CH	Dr R Govindarasu	rgovind@svce.ac.in
5.	CS	Ms N Revathy	revathi@svce.ac.in
6.	EC	Dr S R Malathi	malathiraj@svce.ac.in
7.	EE	Mr K Sundararaman Ms S Arulmozhi Mr S Purushothaman	sundararamank@svce.ac.in arulmozhi@svce.ac.in purush@svce.ac.in
8.	IT	Mr K Suresh	ksuresh@svce.ac.in
9.	ME	Dr M Ananth Kumar Dr S Ilaiyavel	ananthkumar@svce.ac.in ilaiyavel@svce.ac.in
10.	MR	Mr M Anandan	anand@svce.ac.in

SRI VENKATESWARA COLLEGE OF ENGINEERING

SVCE INNOVATES 2017

STUDENTS' RESEARCH DAY

Registration form

Title of the research work :

Details of the team

Team Member	Name	Branch & Year	Mail Id	Mobile number
1				
2				
3				
Faculty Mentor				

Broad areas under which this research work can be categorized:

1.

2.

3.

SVCE INNOVATES 2017

Title of the Research work :

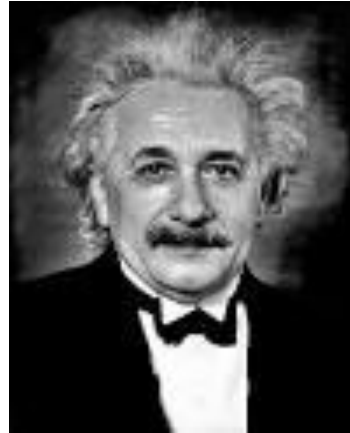
Team ID(to be assigned by department co-ordinator) :

ABSTRACT



SRI VENKATESWARA COLLEGE OF ENGINEERING
Autonomous Institution- Affiliated to Anna University

Pennalur, Sriperumbudur - 602 117



The Management, Staff and Students

Cordially invite you for the

INAUGURAL FUNCTION OF SVCE INNOVATES 2017- STUDENTS' RESEARCH DAY

Mr AMALAN ALVANDAR

Director – Argine Solar Solutions Private Limited, Chennai
(Specialist in Urban Infrastructure & Renewable Energy)

Prof. M SIVANANDHAM PhD

Secretary, Sri Venkateswara Educational & Health Trust
Will preside over the function

Venue : Video Hall

Date and Time : 24th March 2017, 9.30 AM

ALL ARE WELCOME

Time

Program

9.30 am - 9.35 am

Prayer song

9.35 am – 9.40 am

**Welcome address by
Prof. R Muthucumaraswamy
Dean (Research)**

9.40 am – 9.50 am

**Special address by our Secretary
Prof. M Sivanandham**

9.50 am – 9.55 am

**Introduction of chief guest
Mr Amalan Alavandar
by Mr S P Chidambaram**

9.55 am – 10.15 am

**Inaugural address by chief guest
Mr Amalan Alavandar
Director – Argine Solar Solutions Pvt. Ltd.
(*Specialist in Urban Infrastructure &
Renewable Energy*)**

10.15 am – 10.25 am

Tea Break

10.30 am – 12.30 pm

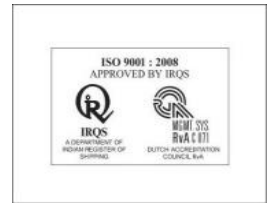
**Demonstrations and Presentations by
Students in Multipurpose Hall**



SRI VENKATESWARA COLLEGE OF ENGINEERING

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Pennalur, Sriperumbudur - 602 117



Laplace

The Management, Staff and Students

Cordially invite you for the

VALEDICTORY FUNCTION OF SVCE INNOVATES 2017 STUDENTS' RESEARCH DAY

Address by

Prof. S GANESH VAIDYANATHAN

Principal

SRI VENKATESWARA COLLEGE OF ENGINEERING

Venue : Video Hall

Date and Time : 24th March 2017, 2.30 PM

ALL ARE WELCOME

<u>Time</u>	<u>Program</u>
2.30 pm – 2.35 pm	Prayer song
2.35 pm – 2.40 pm	Welcome address by Prof. R Muthucumaraswamy Dean(Research)
2.40 pm – 2.50 pm	Valedictory address by the Principal Prof. S Ganesh Vaidyanathan
2.50 pm – 3.05 pm	Prize distribution by The Principal
3.05 pm – 3.10 pm	Vote of thanks
3.10 pm – 3.15 pm	National Anthem

Thank you

SRI VENKATESWARA COLLEGE OF ENGINEERING

SVCE INNOVATES 2017 - STUDENTS' RESEARCH DAY

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

List of projects received: 16

S.No	Year/ Roll No	Name of the students (UG/PG)	Title	Name of the Mentor
EE1	III/ 5,19	Akash S Bharath Raj G	Power Electronics Based Self Balancing Supply	Mr. Suresh Kumar A
EE2	III/ 43,45	Kevin Immanuel Gubbi Lakshmi Narayanan	Smart Vending Machine with Smart Phone Interfacing and Control	Mr. Suresh Kumar A
EE3	III/ 14,30,18,	Ashwin S Harish A Bharadwaj	Microscale Power Electronic Converter for Nano Generator Application	Mr. Sree Raj S V
EE4	III/ 302,306,307, 308	Kumaran R Manigandan U Manivannan Janan Raj	Automatic Water Level Controller using Relays	Mrs. Suganthi K
EE5	III/ 90,99,105	Sakthi Sundaram Srinivasan G R Suraj Ramasubbu	Drone Super Charging Technology	Mr. Sundararaman K
EE6	III/ 15,20	Balasubramanian V S Bharat Singh	Colour Detection of objects for assisting colour blind people	Mr. Suresh Kumar A
EE7	II/50	Bharathraghavan T Maria Clinton R	Transmission of Visual Information through Audio Signals and Smart Helmet	Mrs. Arulmozhi S
EE8	I / 75 ,	Rakshick Srinivas Rajaram R	Light Fidelity (Li - Fi)	Mr. A. Tamizhselvan
EE9.	I / 16,18,41	Diliban Sibi K Ganga Ram Sundar G Krishnaprasad S	SVCE Wallet	Mr. D. S. Purushothaman
EE10	I / 16, 44	Diliban Sibi K Kundavi Yazhini M	V ² S- Vehicle Validation System	Mr. C. Kamal

EE11	IV/69,311, 315	Suriya Prakash R Ranjith G Priyanka K	Voice command projector control using Lab-view software	Mr.V.Mohanraj
EE12	IV/ 22, 39, 52, 54	Muthiah M Kailash S Dinesh S Mohana Krishnan P	Smart glove to aid people with movement disability	Ms.S.Anitha
EE13	III / 48,57	Nandini Ananthan D.Madhusti	Automatic gas leakage detection and switching of power supply	Ms.K.S.Pavithra
EE14	II / 10,12,21	Aravind Chakravarthi S.Aravind K.S.Balaji	Sensory augmentation for the blind and visually impaired	Dr.K.Sundararaman
EE15	IV / 1, 6	Akshay G S Abhinav R Barath G	Automation for effortless horticulture using a sensor and actuator based mesh network	Mr.S.V.Sreeraj
EE16	IV / 68,69,98	Suganya R Priyadarshini SS Priyanka K	Finite element analysis based application	Mr.A.Deepak

Total number of abstracts received: 16
Total number of students : 44
Total number of mentors : 16

D. S Purushothaman
23/03/17
Department Organizer

D. S PURUSHOTHAMAN
AP/EEE

K.R. Sankar
23.3.17

HoD/EEE

REPORT

Department of Electrical and Electronics Engineering

'Students Research Day 2017' which has now become an annual event, was held on the 24 March 2017 (Friday) in the Video hall at 9.30.AM. The event held under the name "SVCE' Innovates 2017, seeks to channelize the creative ideas of the students and their faculty mentors in to viable projects which would enhance the research output of the college and the knowledge base of the students and the mentors.

This year, the event was organized by the office of the Dean (Research) Dr.R.Muthucumaraswamy and the UG members of the student council, additionally they were supported by the faculty coordinators from EEE department. The initial circular, inviting the UG and PG students of the various departments of the college to submit their abstracts was released on the 18 February 2017. A copy of the poster is enclosed. Students were allowed to group themselves in to batches of 2 to 4 students per batch and were to be mentored by a faculty member.

The response from the students was very enthusiastic in spite of the tight academic schedule of the college. Around 16 batches of students submitted the abstracts of their ideas.

On 24.3.2017(Friday), after welcome address by the Dean (Research), the event was inaugurated by Mr Amalan Alavandar, Engineering Consultant, Urban Sanitation and Climate Risk and Vulnerability Assessment specialist for Asian Development Bank and our Secretary preside over the function. Secretary appreciated the students who take part in research competition. He is also advised the students take part in research activities apart from academics.

A table was provided to each of the shortlisted batches, where they put up a poster, a hardware model and a laptop for power point presentation. They spent more than 3 hours and examined each of the project ideas in detail. They were appreciating the ideas put up by the students and for the record recommended that prize can be given to the ideas mentioned in Annexure 3. The judges also felt that some of the ideas can be commercialized. Apart from the prize winners, participation certificates were issued to all the students. We are also distributed the certificate of appreciation to all the mentors.

The valedictory function was held in the afternoon at 2.30 PM in Function Hall. We invite our Alumni Dr Subramani Ramakrishnan, IBM and Vice Principal for the Valedictory function to distribute cash prizes for first place (10 prizes) in each branch and appreciation certificates for first three places. Dr Subramani, address the Students, he commended the students for their excellent work. Principal had spent more than 1.00 hour looking in to various projects and suggested that these should be further pursued and converted in to patents and entrepreneurial venture.

A few suggestions for the conduct of the event in the future would be in order;

1. The event should be held first month after the opening of the semester and should be announced well in advance so that the students would be able to effectively use their holidays and come out with innovative ideas and hardware models/prototypes.
2. The prize money should be made more attractive to achieve wider participation and make the event more prestigious.

Prize winner's details -EEE

S.No	Branch	Name of the students	Project Title	Name of the mentor	Prize
1.	EE	Akshay G S Abhinav R Barath Goel	Automation for effortless horticulture using a sensor and actuator based mesh network	Mr S V Sreeraj	First Rs. 500/-

D. S. Purushothaman
28/3/17
Department Organizer

D. S. PURUSHOTHAMAN
AP/EEE

KR. Sarath
28-3-17
HoD/EEE